Project Title	Funding	Strategic Plan Objective	Institution
Young development of a novel PET ligand for detecting oxytocin receptors in brain (supplement)	$176,000	Q2.Other	Emory University
Young development of a novel PET ligand for detecting oxytocin receptors in brain	$261,360	Q2.Other	Emory University
Why are autistic females rare and severe? An approach to autism gene identification.	$28,600	Q2.S.B	Johns Hopkins University
White matter glial pathology in autism	$0	Q2.Other	East Tennessee State University
Vasopressin receptor polymorphism and social cognition	$395,156	Q2.Other	Georgia State University
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	$0	Q2.Other	University of New South Wales
Using high definition fiber tracking to define developmental neurobiologic mechanisms & a neural basis for behavioral heterogeneity	$25,000	Q2.Other	Carnegie Mellon University
Using fruit flies to map the network of autism-associated genes	$156,245	Q2.Other	University of California, San Diego
Urokinase-type plasminogen activator plasma concentration and its relationship to hepatocyte growth factor (HGF) and GABA levels in autistic children	$8,505	Q2.Other	Hartwick College
Upper motor neuron plasticity in the MeCP2-duplication syndrome of autism	$62,500	Q2.S.D	Baylor College of Medicine
Understanding the role of Epac2 in cognitive function	$47,232	Q2.Other	Northwestern University
Understanding the etiological significance of attentional disengagement in infants at-risk for ASD	$46,000	Q2.L.A	Boston Children's Hospital
Understanding the brain basis of impaired imitation learning in autism	$55,200	Q2.Other	Kennedy Krieger Institute
Understanding the basic neurobiology of Pitt-Hopkins syndrome	$60,000	Q2.S.D	The University of Alabama at Birmingham
Underlying mechanisms in a cerebellum-dependent model of autism	$60,000	Q2.S.D	Harvard Medical School
Typical and pathological cellular development of the human amygdala	$385,000	Q2.Other	University of California, Davis
TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	$147,806	Q2.S.D	Case Western Reserve University
Treatment of medical conditions among individuals with autism spectrum disorders	$339,591	Q2.S.E	National Institutes of Health
Translational regulation of adult neural stem cells	$396,944	Q2.S.D	University of Wisconsin - Madison
Transcriptional responsiveness in lymphoblastoid cell lines	$0	Q2.Other	University of Pennsylvania
Transcriptional regulators in normal human brain development and autism	$30,002	Q2.Other	University of California, Los Angeles
Towards an endophenotype for amygdala dysfunction	$380,304	Q2.Other	California Institute of Technology
To study the relationship between low GAD2 levels and anti-GAD antibodies in autistic children	$7,260	Q2.S.A	Hartwick College

Project Title	Funding	Strategic Plan Objective	Institution
TMLHE deficiency and a carnitine hypothesis for autism	$60,000	Q2.S.D	Baylor College of Medicine
The Study of Toddlers with Autism and Regression (STAR) Protocol – Screening for treatable disorders and biomarkers of inflammation and immune activation in the plasma and CNS	$0	Q2.S.A	Surrey Place Centre, Toronto
The striatal circuitry underlying autistic-like behaviors	$31,975	Q2.Other	Duke University
The social brain in schizophrenia and autism spectrum disorders	$594,733	Q2.Other	Hartford Hospital
The role of UBE3A in autism	$312,501	Q2.S.D	Harvard Medical School
The role of the new mTOR complex, mTORC2, in autism spectrum disorders	$625,998	Q2.Other	Baylor College of Medicine
The role of the GRIP protein complex in AMPA receptor trafficking and autism spectrum disorders	$0	Q2.Other	Johns Hopkins University
The role of neurexin IV in central nervous system development	$100,466	Q2.Other	University of California, Los Angeles
The role of mTOR inhibitors in the treatment of autistic symptoms in symptomatic infantile spasms	$0	Q2.S.E	Albert Einstein College of Medicine of Yeshiva University
The role of MeCP2 in Rett syndrome	$382,858	Q2.S.D	University of California, Davis
The role of intracellular metabotropic glutamate receptor 5 at the synapse	$13,400	Q2.S.D	Washington University in St. Louis
The role of genetics in communication deficits in autism spectrum disorders	$60,000	Q2.S.D	University of Pennsylvania
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	$145,757	Q2.Other	University of California, Los Angeles
The role of CNTNAP2 in embryonic neural stem cell regulation	$0	Q2.Other	Johns Hopkins University School of Medicine
The neural substrates of social interactions	$15,865	Q2.Other	University of Iowa
The neural substrates of higher-level learning in autism	$192,500	Q2.Other	University of California, Davis
The neural basis of weak central coherence in autism spectrum disorders	$13,040	Q2.Other	Yale University
The neural bases of top-down attentional control in autism spectrum disorders	$27,578	Q2.Other	City College of New York
The microstructural basis of abnormal connectivity in autism	$332,991	Q2.Other	University of Utah
The microRNA pathway in translational regulation of neuronal development	$352,647	Q2.S.D	University of Massachusetts Medical School
The mechanism of the maternal infection risk factor for autism	$150,000	Q2.S.A	California Institute of Technology
The impact of Pten signaling on neuronal form and function	$346,014	Q2.Other	Dartmouth College

Project Title	Funding	Strategic Plan Objective	Institution
The genetic control of social behavior in the mouse (supplement)	$201,966	Q2.Other	University of Hawai'i at Manoa
The genetic basis of mid-hindbrain malformations	$798,866	Q2.S.G	Seattle Children's Hospital
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	$0	Q2.S.D	Children's Memorial Hospital, Chicago
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$90,480	Q2.S.E	Beth Israel Deaconess Medical Center
The effects of autism on the sign language development of deaf children (supplement)	$1,188	Q2.Other	Boston University
The effects of autism on the sign language development of deaf children	$59,419	Q2.Other	Boston University
The computational basis of theory of mind in the human brain	$103,965	Q2.Other	California Institute of Technology
The cognitive neuroscience of autism spectrum disorders	$1,074,095	Q2.Other	National Institutes of Health
The Brain Genomics Superstruct Project	$150,000	Q2.L.B	Harvard University
Thalamocortical connectivity in children and adolescents with ASD-A combined fcMRI and DTI approach	$28,600	Q2.Other	San Diego State University
Testing the hyperspecificity hypothesis: A neural theory of autism	$247,018	Q2.Other	Children's Hospital of Philadelphia
Taste, smell, and feeding behavior in autism: A quantitative traits study	$570,508	Q2.Other	University of Rochester
Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	$0	Q2.S.A	Weill Cornell Medical College
Synchronous activity in networks of electrically coupled cortical interneurons	$0	Q2.Other	University of California, Davis
Synaptic processing in the basal ganglia	$377,815	Q2.Other	University of Washington
Synaptic phenotype, development, and plasticity in the fragile X mouse	$395,134	Q2.S.D	University of Illinois at Urbana Champaign
Subependymal zone function in autism spectrum disorders	$59,560	Q2.Other	University of Oxford
Study of fragile X mental retardation protein in synaptic function and plasticity	$317,077	Q2.S.D	University of Texas Southwestern Medical Center
Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	$0	Q2.S.D	Whitehead Institute for Biomedical Research
Structural and functional neuroimaging of the auditory system in autism	$157,905	Q2.Other	Children's Hospital of Philadelphia
Structural and functional connectivity of large-scale brain networks in autism	$168,978	Q2.Other	Stanford University
Stimulus preceding negativity and social stimuli in autism spectrum disorder	$28,600	Q2.Other	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
Stimulus-driven attention deficits in autism	$0	Q2.Other	University of Minnesota
Statistical word learning and non-social visual attention in children with autism	$33,148	Q2.Other	University of Wisconsin - Madison
Statistical analysis of biomedical imaging data in curved space	$326,528	Q2.Other	University of North Carolina at Chapel Hill
Spatial attention in autism spectrum disorders	$28,600	Q2.Other	New York University
Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	$150,000	Q2.S.G	University of Washington
Social interaction and reward in autism: Possible role for ventral tegmental area	$62,496	Q2.Other	University of Geneva
Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	$0	Q2.S.G	State University of New York Upstate Medical Center
Social brain networks for the detection of agents and intentions	$414,688	Q2.Other	Yale University
Social behavior deficits in autism: Role of amygdala	$0	Q2.Other	State University of New York Upstate Medical Center
Social and affective components of communication	$317,715	Q2.Other	Salk Institute For Biological Studies
Single-unit recordings in neurosurgical patients with autism	$55,200	Q2.S.E	California Institute of Technology
Single-unit recordings from the amygdala in people with autism	$0	Q2.S.E	California Institute of Technology
Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local	$217,322	Q2.S.G	The Children's Hospital of Philadelphia
Simons Variation in Individuals Project (VIP) Statistical Core Site	$136,125	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Site	$436,833	Q2.S.G	University of Washington
Simons Variation in Individuals Project (VIP) Site	$768,296	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (VIP) Site	$466,763	Q2.S.G	Baylor College of Medicine
Simons Variation in Individuals Project (VIP) Recruitment Coordination Site	$98,087	Q2.S.G	Weis Center for Research - Geisinger Clinc
Simons Variation in Individuals Project (VIP) Principal Investigator	$126,453	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	$137,106	Q2.S.G	Harvard University
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$1,299,083	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$736,449	Q2.S.G	The Children's Hospital of Philadelphia
Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site	$513,646	Q2.S.G	University of California, San Francisco

Project Title	Funding	Strategic Plan Objective	Institution
Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	$73,534	Q2.S.G	Columbia University
Simons Variation in Individuals Project (Simons VIP) Core Leader Gift	$0	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (Simons VIP)	$706,044	Q2.S.G	Emory University
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$0	Q2.S.G	Boston Children's Hospital
SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism	$798,912	Q2.Other	University of Kentucky Research Foundation
Shank3 in synaptic function and autism	$401,250	Q2.Other	Massachusetts Institute of Technology
Sex differences in early brain development; Brain development in Turner syndrome	$155,873	Q2.S.D	University of North Carolina at Chapel Hill
Serotonin signal transduction in two groups of autistic patients	$0	Q2.Other	University of Illinois at Chicago
Sensory processing and integration in autism	$548,158	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Sensory mechanisms and self-injury	$447,738	Q2.S.E	University of Minnesota
Sensitive periods in cerebellar development	$32,941	Q2.S.A	University of Maryland, Baltimore
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	$27,814	Q2.Other	Brandeis University
Self-regulation and sleep in children at risk for autism spectrum disorders	$87,899	Q2.S.E	University of California, Davis
Self-injurious behavior: An animal model of an autism endophenotype	$0	Q2.Other	University of Florida
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT (supplement)	$14,596	Q2.S.E	Cincinnati Children's Hospital Medical Center
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	$411,292	Q2.S.E	Cincinnati Children's Hospital Medical Center
Salivary melatonin as a biomarker for response to sleep interventions in children with autism	$0	Q2.S.E	University of Colorado Denver
Roles of miRNAs in regulation of Foxp2 and in autism	$45,000	Q2.Other	Louisiana State University
Role of Sema7A in functional organization of neocortex	$423,750	Q2.S.D	Mount Sinai School of Medicine
Role of neuronal migration genes in synaptogenesis and plasticity	$52,190	Q2.Other	Weill Cornell Medical College
Role of neurexin in the amygdala and associated fear memory	$175,000	Q2.Other	Columbia University
Role of negative regulators of FGF signaling in frontal cortex development and autism	$45,000	Q2.Other	University of California, San Francisco
Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism	$50,000	Q2.S.A	Hamamatsu University School of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
Role of microglia and complement at developing synapses in ASD	$60,001	Q2.S.A	Boston Children's Hospital
Role of major vault protein in autism	$59,972	Q2.Other	Yale University
Role of intracellular mGluR5 in fragile X syndrome and autism	$75,000	Q2.S.D	Washington University in St. Louis
Role of GluK6 in cerebella circuitry development	$58,442	Q2.Other	Yale University
Role of CNTNAP2 in neuronal structural development and synaptic transmission	$53,500	Q2.Other	Stanford University
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$0	Q2.Other	University of California, Los Angeles
RNA dysregulation in autism	$125,000	Q2.Other	The Rockefeller University
RI: Small: Addressing visual analogy problems on the raven's intelligence test	$284,454	Q2.Other	Georgia Tech Research Corporation
Revealing protein synthesis defects in fragile X syndrome with new chemical tools	$340,520	Q2.S.D	Stanford University
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$250,000	Q2.Other	Massachusetts General Hospital
Relating copy number variants to head and brain size in neuropsychiatric disorders	$322,286	Q2.S.G	University of California, San Diego
Regulation of synaptogenesis by cyclin-dependent kinase 5	$0	Q2.Other	Massachusetts Institute of Technology
Regulation of spine morphogenesis by NrCAM	$185,000	Q2.Other	University of North Carolina at Chapel Hill
Regulation of cortical critical periods in a mouse model of autism	$60,000	Q2.S.D	Northwestern University
Regulation of 22q11 genes in embroyonic and adult forebrain (supplement)	$24,262	Q2.S.D	George Washington University
Regulation of 22q11 genes in embroyonic and adult forebrain	$308,631	Q2.S.D	George Washington University
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	State University of New York at Potsdam
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	University of Rochester
Quantitative proteomic approach towards understanding and treating autism	$75,000	Q2.S.D	Emory University
Psychobiological investigation of the socioemotional functioning in autism	$347,490	Q2.Other	Vanderbilt University Medical Center
Proteome and interaction networks in autism	$156,250	Q2.Other	Harvard Medical School
Prostaglandins and cerebellum development	$371,250	Q2.S.A	University of Maryland, Baltimore

Project Title	Funding	Strategic Plan Objective	Institution
Project 2: Immunological susceptibility of autism (supplement)	$30,784	Q2.S.A	University of California, Davis
Probing the temporal dynamics of aberrant neural communication and its relation to social processing deficits in autism spectrum disorders	$0	Q2.Other	University of Pittsburgh
Probing the neural basis of social behavior in mice	$62,500	Q2.S.D	Massachusetts Institute of Technology
Probing synaptic receptor composition in mouse models of autism	$124,998	Q2.S.D	Boston Children's Hospital
Probing a monogenic form of autism from molecules to behavior	$0	Q2.S.D	Stanford University
Presynaptic regulation of quantal size by the cation/H+ exchangers NHE6 & NHE9	$33,932	Q2.Other	University of California, Berkeley
Preference acquisition in children and adolescents with and without autism spectrum disorder	$0	Q2.Other	Dalhousie University
Predicting phenotypic trajectories in Prader-Willi syndrome	$310,752	Q2.S.D	Vanderbilt University Medical Center
Pragmatics and semantics in autism spectrum disorder	$29,155	Q2.Other	City University of New York Graduate School and University Center
Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	$42,232	Q2.S.D	Yale University
PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism	$0	Q2.Other	Emory University
Physiology of attention and regulation in children with ASD and LD	$341,013	Q2.Other	Seattle Children's Hospital
Physiological studies in a human stem cell model of 15q duplication syndrome	$60,000	Q2.S.D	University of Connecticut
Perturbed cortical patterning in autism	$60,000	Q2.Other	Seattle Children's Hospital
Pediatric brain imaging	$2,419,583	Q2.L.A	National Institutes of Health
Pathophysiology of MECP2 spectrum disorders (Career Development Award Proposal)	$179,981	Q2.S.D	Baylor College of Medicine
Pathologic and genetic characterization of novel brain cortical patches in young autistic brains	$50,000	Q2.Other	University of California, San Francisco
Olfactory abnormalities in the modeling of Rett syndrome	$351,575	Q2.S.D	Johns Hopkins University
Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	$208,750	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Novel computational methods for higher order diffusion MRI in autism	$725,545	Q2.Other	University of Pennsylvania
Novel candidate mechanisms of fragile X syndrome	$92,448	Q2.S.D	Yale University
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$419,095	Q2.S.D	Dana-Farber Cancer Institute

Project Title	Funding	Strategic Plan Objective	Institution
Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	$25,000	Q2.Other	Columbia University
Neuropeptide regulation of juvenile social behaviors	$29,550	Q2.Other	Boston College
Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	$140,718	Q2.Other	University of Oxford
Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	$310,081	Q2.Other	Duke University
Neuroligin, oxidative stress and autism	$150,000	Q2.Other	Oklahoma Medical Research Foundation
Neuroimmunologic investigations of autism spectrum disorders (ASD)	$101,877	Q2.S.F	National Institutes of Health
Neuroimaging of top-down control and bottom-up processes in childhood ASD (supplement)	$111,600	Q2.Other	Georgetown University
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$387,066	Q2.Other	Georgetown University
Neuroendocrine regulation of metabolism and neurocognition	$402,805	Q2.S.E	National Institutes of Health
Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	$155,380	Q2.S.D	Stanford University
Neurobiological signatures of audiovisual speech perception in children in ASD	$217,886	Q2.Other	Haskins Laboratories, Inc.
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$380,625	Q2.S.D	Beth Israel Deaconess Medical Center
Neurobiological correlates of language dysfunction in autism spectrum disorders	$535,052	Q2.Other	The Mind Research Network
Neurobehavioral investigation of tactile features in autism spectrum disorders	$162,666	Q2.Other	Vanderbilt University Medical Center
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$200,000	Q2.Other	Columbia University
Neural underpinning of emotion perception and its disorders	$30,000	Q2.Other	Dartmouth College
Neural synchronydysfunction of gamma oscillations in autism (supplement)	$100,386	Q2.Other	University of Colorado Denver
Neural synchronydysfunction of gamma oscillations in autism	$265,073	Q2.Other	University of Colorado Denver
Neural mechanisms underlying autism behaviors in SCN1A mutant mice	$94,903	Q2.S.D	University of Washington
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$0	Q2.Other	Vanderbilt University
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$255,940	Q2.Other	University of California, Berkeley
Neural mechanisms of imitative behavior: Implications for mental health	$33,128	Q2.Other	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	$0	Q2.Other	Duke University
Neural basis of cross-modal influences on perception	$158,282	Q2.Other	University of California, San Diego
Neural basis of behavioral flexibility	$360,214	Q2.Other	Mount Sinai School of Medicine
Networked cortical responses to movement associated with ASD	$449,700	Q2.Other	University of Washington
Neocortical mechanisms of categorical speech perception	$239,255	Q2.Other	University of California, San Francisco
Near-infrared spectroscopy studies of early neural signatures of autism	$149,917	Q2.L.B	Yale University
Nav1.1 channels, neural circuits, and autism	$10,213	Q2.S.D	University of Washington
Multisensory processing in autism	$60,000	Q2.Other	Baylor College of Medicine
Multisensory integration in children with ASD	$192,136	Q2.Other	University of California, Davis
Multiple systems in theory of mind development	$0	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
Multimodal studies of executive function deficits in autism spectrum disorders	$54,570	Q2.Other	Massachusetts General Hospital
Multimodal neuroimaging of motor dysfunction in autism spectrum disorders	$56,000	Q2.Other	University of Colorado Denver
Multimodal imaging of social brain networks in ASD	$150,036	Q2.Other	San Diego State University
Multimodal brain imaging in autism spectrum disorders	$167,832	Q2.Other	University of Washington
Multigenic basis for autism linked to 22q13 chromosomal region	$125,000	Q2.S.D	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families	$0	Q2.Other	Queen's University
MRI study of brain development in school age children with autism	$127,479	Q2.L.A	University of North Carolina at Chapel Hill
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	$400,000	Q2.S.D	University of Texas Southwestern Medical Center
Motor skill learning in autism	$395,908	Q2.Other	Kennedy Krieger Institute
Motor control and cerebellar maturation in autism	$157,148	Q2.Other	University of Texas Southwestern Medical Center
Morphogenesis and function of the cerebral cortex	$409,613	Q2.Other	Yale University
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	$144,100	Q2.Other	Florida International University

Project Title	Funding	Strategic Plan Objective	Institution
Molecular signatures of autism genes and the 16p11.2 deletion	$62,500	Q2.Other	Massachusetts General Hospital
Molecular mechanisms of the synaptic organizer alpha-neurexin	$383,267	Q2.Other	University of Michigan
Molecular mechanisms linking early life seizures, autism and intellectual disability	$333,473	Q2.S.E	University of Colorado Denver
Molecular dissection of calmodulin domain functions	$321,473	Q2.Other	University of Iowa
Molecular controls over callosal projection neuron subtype specification and diversity	$42,232	Q2.Other	Harvard University
Molecular components of A-type K+ channels	$363,366	Q2.S.E	New York University School of Medicine
Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	$30,912	Q2.Other	Emory University
Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	$0	Q2.S.D	Stanford University
Modeling 5-HT-absorbing neurons in neuropathology of autism	$250,500	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Met signaling in neural development and circuitry formation	$249,000	Q2.Other	University of Arizona
Metacognition in comparative perspective	$210,561	Q2.Other	University at Buffalo, The State University of New York
Mesocorticolimbic dopamine circuitry in mouse models of autism	$436,362	Q2.S.D	Stanford University
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	$314,059	Q2.S.D	University of Alabama at Birmingham
Mechanisms of synaptic alterations in a neuroinflammation model of autism	$579,882	Q2.S.A	University of Nebraska Medical Center
Mechanisms of synapse elimination by autism-linked genes	$434,883	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of motor skill learning in the fragile X mouse model	$308,138	Q2.S.D	University of Nebraska Medical Center
Mechanisms of mitochondrial dysfunction in autism	$0	Q2.S.A	Georgia State University
Mechanisms of mGluR5 function and dysfunction in mouse autism models	$406,760	Q2.S.D	University of Texas Southwestern Medical Center
Mechanism of UBE3A imprint in neurodevelopment	$34,439	Q2.S.D	University of California, Davis
Mathematical cognition in autism: A cognitive and systems neuroscience approach	$652,461	Q2.Other	Stanford University
Mapping functional connectivity networks in autism spectrum disorder with diffuse optical tomography	$55,170	Q2.Other	Washington University in St. Louis
Making the connection between autism, serotonin and hedgehog signaling	$125,635	Q2.S.D	Medical Research Council-National Institute for Medical Research

Project Title	Funding	Strategic Plan Objective	Institution
Magnetoencephalographic studies of lexical processing and abstraction in autism	$321,156	Q2.Other	University of Pennsylvania
Macrocephalic autism: Exploring and exploiting the role of PTEN	$0	Q2.Other	University of Wisconsin - Madison
L-type calcium channel regulation of neuronal differentiation	$33,002	Q2.S.D	Stanford University
Longitudinal MRI study of brain development in fragile X	$901,844	Q2.S.D	Stanford University
Longitudinal characterization of functional connectivity in autism	$182,352	Q2.L.A	University of Utah
Local functional connectivity in ASD	$50,811	Q2.L.B	Massachusetts General Hospital
Local connectivity in altered excitation/inhibition balance states	$62,500	Q2.Other	Weizmann Institute of Science
Linking local activity and functional connectivity in autism (supplement)	$92,508	Q2.Other	San Diego State University
Linking local activity and functional connectivity in autism	$370,304	Q2.Other	San Diego State University
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$0	Q2.Other	Carnegie Mellon University
Learning in autism spectrum disorders	$28,902	Q2.Other	University of California, Davis
Learning and plasticity in the human brain	$351,533	Q2.Other	National Institutes of Health
Language processing in children with 22q11 deletion syndrome and autism	$0	Q2.S.G	Emory University
Language development in fragile X syndrome	$584,381	Q2.S.D	University of California, Davis
Kinetics of drug macromolecule complex formation	$712,921	Q2.Other	University of California, San Diego
In vivo targeted gene silencing, a novel method	$192,500	Q2.Other	Indiana University-Purdue University Indianapolis
In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	$0	Q2.S.D	Baylor College of Medicine
Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	$0	Q2.L.A	University of Washington
Investigation of social brain circuits in mouse models of the 16p11.2 locus	$175,000	Q2.Other	Cold Spring Harbor Laboratory
Investigation of social brain circuits and fever-evoked response in 16p11.2 mice	$60,000	Q2.Other	Cold Spring Harbor Laboratory
Investigation of sex differences associated with autism candidate gene, Cyfip1	$32,413	Q2.S.B	University of California, Los Angeles
Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	$53,942	Q2.S.D	University of Texas Southwestern Medical Center
Investigation of a possible role of the protocahderin gene cluster in autism	$150,000	Q2.Other	Columbia University

Project Title	Funding	Strategic Plan Objective	Institution
Investigating the homeostatic role of MeCP2 in mature brain	$35,832	Q2.S.D	Baylor College of Medicine
Investigating the etiology of childhood disintegrative disorder	$149,953	Q2.S.F	Yale University
Investigating brain organization and activation in autism at the whole-brain level	$0	Q2.Other	California Institute of Technology
Investigating brain connectivity in autism at the whole-brain level	$88,508	Q2.Other	California Institute of Technology
Investigating brain connectivity in autism at the whole-brain level	$249,001	Q2.Other	Indiana University
Integrative functions of the planum temporale (supplement)	$34,768	Q2.Other	University of California, Irvine
Integrative functions of the planum temporale	$440,810	Q2.Other	University of California, Irvine
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	$328,644	Q2.Other	University of California, Berkeley
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	$0	Q2.S.A	University of Medicine & Dentistry of New Jersey
Influence of attention and arousal on sensory abnormalities in ASD	$232,500	Q2.Other	University of California, San Diego
Infants' developing representation of object function	$0	Q2.Other	University of California, Davis
Impairments of theory of mind disrupt patterns of brain activity	$321,000	Q2.Other	Massachusetts Institute of Technology
Impact of SynGAP1 mutations on synapse maturation and cognitive development	$789,981	Q2.Other	The Scripps Research Institute - Florida
Imaging signal transduction in single dendritic spines	$382,200	Q2.Other	Duke University
Imaging PTEN-induced changes in adult cortical structure and function in vivo	$300,156	Q2.Other	University of California, Los Angeles
IL-1beta and IL1RAPL1: Gene-environment interactions regulating synapse density and function in ASD	$28,600	Q2.S.A	University of California, Davis
Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	$180,140	Q2.S.G	Emory University
Identification of targets for the neuronal E3 ubiquitin ligase PAM	$0	Q2.S.D	Massachusetts General Hospital
Identification of genetic pathways that regulate neuronal circuits in C. elegans	$47,114	Q2.Other	University of California, San Diego
Identification of candidate genes at the synapse in autism spectrum disorders	$168,839	Q2.Other	Yale University
Identification and analysis of ASD patients with PI3K/mTOR signalopathies	$66,500	Q2.Other	Emory University
Hyperthermia and the amelioration of autism symptoms	$66,153	Q2.S.A	Montefiore Medical Center

Project Title	Funding	Strategic Plan Objective	Institution
How autism affects speech understanding in multitalker environments	$0	Q2.Other	University of Maryland, College Park
Homeostatic regulation of presynaptic function by dendritic mTORC1	$32,747	Q2.Other	University of Michigan
High throughput sequencing of autism spectrum disorder (ASD) endophenotypes	$39,432	Q2.S.G	Baylor College of Medicine
High throughput screen for small molecule probes for neural network development	$405,000	Q2.Other	Johns Hopkins University
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	$464,475	Q2.Other	Cold Spring Harbor Laboratory
High metabolic demand of fast-spiking cortical interneurons underlying the etiology of autism	$54,500	Q2.Other	Weill Cornell Medical College
Head-fixed recording of sensory learning in mouse autism models	$0	Q2.Other	Princeton University
HCC:Small:Computational studies of social nonverbal communication	$0	Q2.Other	University of Southern California
Grammatical development in boys with fragile X syndrome and autism	$148,500	Q2.S.D	University of Wisconsin - Madison
Glial control of neuronal receptive ending morphology	$418,275	Q2.Other	The Rockefeller University
Genotype-phenotype relationships in fragile X families	$612,413	Q2.S.D	University of California, Davis
Genomic and epigenomic effects of large CNV in neurons from iPSC	$2,355,000	Q2.S.G	Stanford University
Genome-wide identification of variants affecting early human brain development	$611,005	Q2.S.G	University of North Carolina at Chapel Hill
Genetic studies of autism-related Drosophila neurexin and neuroligin	$489,104	Q2.Other	University of North Carolina at Chapel Hill
Genetic rescue of fragile X syndrome in mice by targeted deletion of PIKE	$0	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Genetic model to study the ASD-associated gene A2BP1 and its target PAC1	$62,500	Q2.Other	Weizmann Institute of Science
Genetic investigations of motor stereotypies	$62,136	Q2.S.G	Yale University
Genetic dissection of restricted repetitive behavior (RRB)	$177,736	Q2.S.G	Seattle Children's Hospital
Genetic and developmental analyses of fragile X mental retardation protein	$438,391	Q2.S.D	Vanderbilt University Medical Center
Genetically defined stem cell models of Rett and fragile X syndrome	$350,000	Q2.S.D	Whitehead Institute for Biomedical Research
GABRB3 and placental vulnerability in ASD	$642,258	Q2.S.A	Stanford University
GABAergic dysfunction in autism	$48,000	Q2.Other	Johns Hopkins University
GABA(A) and prenatal immune events leading to autism	$125,000	Q2.S.A	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
Function of neurexins	$473,710	Q2.Other	Stanford University
Function and structure adaptations in forebrain development	$541,770	Q2.Other	University of Southern California
Function and dysfunction of neuroligins in synaptic circuits	$750,000	Q2.Other	Stanford University
Functional role of IL-6 in fetal brain development and abnormal behavior	$42,232	Q2.Other	California Institute of Technology
Functional properties and directed connectivity in the face-processing network	$55,670	Q2.Other	Yale University
Functional neuroimaging of psychopharmacologic intervention for autism	$162,369	Q2.L.B	University of North Carolina at Chapel Hill
Functional neuroimaging of attention in autism	$192,365	Q2.S.E	Children's Hospital of Philadelphia
Functional imaging of flexibility in autism: Informed by SLC6A4	$132,748	Q2.S.G	Children's Hospital of Philadelphia
Functional circuit disorders of sensory cortex in ASD and RTT	$254,976	Q2.S.D	University of Pennsylvania
Functional and anatomical recovery of synaptic deficits in a mouse model of Angelman Syndrome	$56,000	Q2.S.D	University of North Carolina at Chapel Hill
Functional anatomy of face processing in the primate brain	$1,660,304	Q2.Other	National Institutes of Health
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Project 1	$177,512	Q2.Other	Yale University
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Core	$62,475	Q2.Other	McLean Hospital
Functional analysis of neurexin IV in Drosophila	$0	Q2.Other	University of California, Los Angeles
Functional analysis of EFR3A mutations associated with autism	$156,250	Q2.Other	Yale University
Fragile X syndrome target analysis and its contribution to autism	$134,477	Q2.S.D	The Rockefeller University
Factors influencing early associative learning as a precursor to social behavior heterogeneity	$53,000	Q2.S.G	University of Southern California
Face perception: Mapping psychological spaces to neural responses	$0	Q2.Other	Stanford University
Eye movement dynamics in autism spectrum disorders	$0	Q2.Other	Carnegie Mellon University
Extended tracking of single synaptic proteins with upconverting nanoparticles	$10,819	Q2.Other	University of California; Lawrence Berkeley National Laboratory
Exploring the uncanny valley	$0	Q2.Other	Carnegie Mellon University
Exploring metabolic dysfunction in the brains of people with autism	$0	Q2.S.A	George Washington University
Experience and cognitive development in infancy	$102,038	Q2.Other	University of California, Davis

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Executive function in children with typical and atypical language abilities	$564,177	Q2.Other	University of Wisconsin - Madison
Excessive cap-dependent translation as a molecular mechanism underlying ASD	$0	Q2.Other	New York University
Examining connectivity patterns of brain networks participating in social cognition in ASD	$40,000	Q2.Other	San Diego State University
Evaluating the time-dependent unfolding of social interactions in autism	$252,622	Q2.Other	University of Cincinnati
ERK signaling in autism associated with copy number variation of 16p11.2	$51,290	Q2.Other	Case Western Reserve University
Epileptiform discharges and its relation to cognition and behavior in children with autism spectrum disorders	$0	Q2.S.E	Vanderbilt University
Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	$28,000	Q2.Other	Monash University
Engrailed targets and the control of synaptic circuits in Drosophila	$352,100	Q2.Other	University of Puerto Rico Medical Sciences Campus
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$470,003	Q2.Other	Sloan-Kettering Institute for Cancer Research
Endosomal NHE6 in long-range connectivity and autism	$62,500	Q2.Other	Brown University
Emergence and stability of autism in fragile X syndrome (supplement)	$87,314	Q2.S.D	University of South Carolina
Emergence and stability of autism in fragile X syndrome	$358,000	Q2.S.D	University of South Carolina
Elucidation of the developmental role of Jakmip1, and autism-susceptibility gene	$31,474	Q2.Other	University of California, Los Angeles
Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	$150,000	Q2.S.D	George Washington University
Elucidating the function of class 4 semaphorins in GABAergic synapse formation (supplement)	$23,015	Q2.Other	Brandeis University
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$336,922	Q2.Other	Brandeis University
Electrophysiologic biomarkers of language function in autism spectrum disorders	$28,600	Q2.L.B	University of California, Los Angeles
Electrophysiological response to executive control training in autism	$89,670	Q2.Other	University of Washington
Effect of paternal age on mutational burden and behavior in mice	$222,000	Q2.Other	University of North Carolina at Chapel Hill
EEG-based assessment of functional connectivity in autism	$175,042	Q2.Other	Kennedy Krieger Institute
Early expression of autism spectrum disorder in experimental animals	$0	Q2.Other	Neurochlore
Dysregulation of protein synthesis in fragile X syndrome	$1,117,731	Q2.S.D	National Institutes of Health

Project Title	Funding	Strategic Plan Objective	Institution
Dysregulation of mTOR signaling in fragile X syndrome (supplement)	$72,034	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Dysregulation of mTOR signaling in fragile X syndrome	$415,000	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Dynamic regulation of Shank3 and ASD	$646,316	Q2.Other	Johns Hopkins University
Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	$615,849	Q2.Other	University of California, Irvine
Direct recording from autism brains	$60,074	Q2.S.E	California Institute of Technology
Dimensions of mind perception	$0	Q2.Other	Harvard University
Diffusion tensor MR spectroscopic imaging in human brain	$203,715	Q2.Other	University of New Mexico Health Sciences Center
Development of ventral stream organization	$137,338	Q2.Other	University of Pittsburgh
Development of the functional neural systems for face expertise	$507,685	Q2.Other	University of California, San Diego
Development of face processing expertise	$351,984	Q2.Other	University of Toronto
Development of brain connectivity in autism	$0	Q2.Other	New York School of Medicine
Development of a connectomic functional brain imaging endophenotype of autism	$0	Q2.Other	University of Cambridge
Developmental neurogenetics in adolescents with autism	$124,769	Q2.S.G	Yale University
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	$0	Q2.Other	Weizmann Institute of Science
Defining the electrophysiological dynamics of the default mode network	$146,025	Q2.Other	University of Washington
Defining cells and circuits affected in autism spectrum disorders	$336,872	Q2.Other	The Rockefeller University
Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	$197,500	Q2.Other	Stanford University
Deciphering the function and regulation of AUTS2	$0	Q2.Other	University of California, San Francisco
Corticothalamic circuit interactions in autism	$250,000	Q2.Other	Boston Children's Hospital
Cortical dynamics in autism	$52,190	Q2.Other	New York University
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	$278,656	Q2.S.D	University of Texas Southwestern Medical Center
Cortactin and spine dysfunction in fragile X	$32,875	Q2.S.D	University of California, Irvine
Coordinated control of synapse development by autism-linked genes	$0	Q2.S.D	University of Texas Southwestern Medical Center
Convergence of immune and genetic signaling pathways in autism and schizophrenia	$0	Q2.S.A	University of California, Davis
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	$84,775	Q2.Other	Massachusetts Institute of Technology

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Computational characterization of language use in autism spectrum disorder	$738,723	Q2.Other	Oregon Health & Science University
Comprehensive phenotypic characterization of the 17q12 deletion syndrome	$62,500	Q2.S.G	Weis Center for Research - Geisinger Clinc
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$0	Q2.Other	College of the Holy Cross
Collaborative research: Modeling perception and memory: Studies in priming	$0	Q2.Other	University of California, San Diego
Collaborative research: Learning complex auditory categories	$0	Q2.Other	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	$0	Q2.Other	University of Arizona
Cognitive control of emotion in autism	$102,638	Q2.Other	University of Pittsburgh
CLARITY: circuit-dynamics and connectivity of autism-related behavior	$124,320	Q2.Other	Stanford University
Children with 7q11.23 duplication syndrome: shared characteristics with autism	$125,000	Q2.S.G	University of Louisville
Characterizing the regulatory pathways and regulation of AUTS2	$57,964	Q2.Other	University of California, San Francisco
Characterizing the genetic systems of autism through multi-disease analysis (supplement)	$120,328	Q2.S.G	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis	$524,280	Q2.S.G	Harvard Medical School
Characterizing sleep disorders in autism spectrum disorder	$225,081	Q2.S.E	Stanford University
Characterizing mechanistic heterogeneity across ADHD and autism	$611,788	Q2.Other	Oregon Health & Science University
Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder	$150,000	Q2.S.E	Vanderbilt University
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of infants and toddlers with the 16p copy-number variation	$190,766	Q2.S.G	Boston Children's Hospital
Cerebellar plasticity and learning in a mouse model of autism	$156,250	Q2.Other	University of Chicago
Cerebellar modulation of frontal cortical function	$302,306	Q2.Other	University of Memphis
Cellular density and morphology in the autistic temporal human cerebral cortex	$363,672	Q2.Other	University of California, Davis

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Cell adhesion molecules in CNS development	$534,562	Q2.Other	The Scripps Research Institute - California
Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	$485,438	Q2.Other	Cold Spring Harbor Laboratory
CDI-TYPE II: From language to neural representations of meaning	$0	Q2.Other	Carnegie Mellon University
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	$312,000	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
CAREER: Typical and atypical development of brain regions for theory of mind	$86,848	Q2.Other	Massachusetts Institute of Technology
CAREER: The role of prosody in word segmentation and lexical access	$0	Q2.Other	Michigan State University
CAREER: Statistical models and classification of time-varying shape	$8,000	Q2.Other	University of Utah
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$0	Q2.Other	Cornell University
CAREER: Dissecting the neural mechanisms for face detection	$0	Q2.Other	California Institute of Technology
Canonical neural computation in autism spectrum disorders	$365,741	Q2.Other	New York University
Building awareness of the value of brain tissue donation for autism research	$90,120	Q2.S.C	Autism Science Foundation
BRIGE: Emotion mapping of children through human-robot interaction and affective computing	$174,583	Q2.Other	University of Louisville Research Foundation Inc
Brain mitochondrial abnormalities in autism	$20,000	Q2.S.A	New York State Institute for Basic Research in Developmental Disabilities
Brain electrophysiology of interactive social stimuli	$52,984	Q2.Other	Yale University
Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	$0	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
Brain bases of language deficits in SLI and ASD	$614,180	Q2.Other	Massachusetts Institute of Technology
Bi-directional regulation of Ube3a stability by cyclic AMP-dependent kinase	$60,000	Q2.S.D	University of North Carolina at Chapel Hill
Behavioral and neural responses to emotional faces in individuals with ASD	$14,935	Q2.Other	Harvard University
Behavioral and neural processing of faces and expressions in nonhuman primates	$435,600	Q2.Other	Emory University
Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	$0	Q2.Other	University of North Carolina at Chapel Hill
Behavioral and cognitive characteristics of females and males with autism	$60,000	Q2.S.B	Cleveland Clinic Foundation

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Behavioral, fMRI, and anatomical MRI investigations of attention in autism	$47,114	Q2.Other	Massachusetts Institute of Technology
BDNF and the restoration of synaptic plasticity in fragile X and autism	$470,063	Q2.S.D	University of California, Irvine
Bayesian variable selection in generalized linear models with missing variables	$95,377	Q2.Other	Hunter College (City University of New York)
Autoimmunity against novel antigens in neuropsychiatric dysfunction	$320,000	Q2.S.A	University of Pennsylvania
Autistic traits: Life course & genetic structure	$531,127	Q2.S.G	Washington University in St. Louis
Autism spectrum disorders –inflammatory subtype: Molecular characterization	$30,000	Q2.S.A	University of Medicine & Dentistry of New Jersey
Autism spectrum disorders and the visual analysis of human motion	$0	Q2.Other	Rutgers, The State University of New Jersey
Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	$149,881	Q2.S.D	King's College London
Autism and the insula: Genomic and neural circuits	$254,696	Q2.Other	California Institute of Technology
Autism: Neuropeptide hormones and potential pathway genes	$185,338	Q2.S.G	University of Illinois at Urbana Champaign
Auditory and integrative functions of the prefrontal cortex	$387,285	Q2.Other	University of Rochester
Atypical architecture of prefrontal cortex in young children with autism	$335,103	Q2.Other	University of California, San Diego
Attention & word learning in children with ASD-Translating experimental findings into intervention	$50,600	Q2.Other	Women & Infants Hospital
A study of autism	$162,232	Q2.L.B	University of Pennsylvania
A stem cell based platform for identification of common defects in autism spectrum disorders	$0	Q2.S.D	The Scripps Research Institute - California
Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders	$45,000	Q2.S.E	University of Pennsylvania
A sex-specific dissection of autism genetics	$0	Q2.S.B	University of California, San Francisco
A preliminary investigation of the neurobehavioral basis of sensory behavior in autism	$10,000	Q2.Other	Kennedy Krieger Institute
A novel transplantation assay to study human PTEN ASD alleles in GABAergic interneurons	$60,000	Q2.Other	University of California, San Francisco
A non-human primate autism model based on maternal infection	$0	Q2.S.A	California Institute of Technology
Animal model of genetics and social behavior in autism spectrum disorders	$791,070	Q2.S.G	Duke University
A neuroimaging study of twin pairs with autism	$625,557	Q2.S.G	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
A neural model of fronto-parietal mirror neuron system dynamics	$183,960	Q2.Other	University of Maryland, College Park
Analysis of Shank3 complete and temporal and spatial specific knockout mice	$481,448	Q2.Other	Duke University
Amygdala connectivity in autism spectrum disorder	$49,934	Q2.L.A	University of California, Davis
Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	$535,699	Q2.S.A	University of Southern California
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$0	Q2.S.E	University of Melbourne
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$0	Q2.S.E	University of Melbourne
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$0	Q2.S.E	University of Melbourne
Alterations in brain-wide neuroanatomy in autism mouse models	$300,000	Q2.Other	Cold Spring Harbor Laboratory
A longitudinal MRI study of brain development in fragile X syndrome	$610,416	Q2.S.D	University of North Carolina at Chapel Hill
Allelic choice in Rett syndrome	$390,481	Q2.S.D	Winifred Masterson Burke Medical Research Institute
A functional genomic analysis of the cerebral cortex	$256,413	Q2.Other	University of California, Los Angeles
A family-genetic study of language in autism	$391,295	Q2.S.G	Northwestern University
A family-genetic study of autism and fragile X syndrome	$751,420	Q2.S.D	Northwestern University
Activity-dependent phosphorylation of MeCP2	$177,055	Q2.S.D	Harvard Medical School
Action anticipation in infants	$102,258	Q2.Other	University of Chicago
A collaborative translational autism research program for the military.	$903,888	Q2.S.G	Nationwide Children's Hospital
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$149,958	Q2.S.D	Boston Children's Hospital
ACE Network: Multimodal developmental neurogenetics of females with ASD	$3,118,985	Q2.S.B	Yale University
ACE Network: A longitudinal MRI study of infants at risk for autism (supplement)	$565,115	Q2.L.A	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism	$2,619,590	Q2.L.A	University of North Carolina at Chapel Hill
ACE Center: Predicting risk and resilience in ASD through social visual engagement	$329,264	Q2.L.B	Emory University
ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$314,068	Q2.Other	Emory University
ACE Center: Neuroimaging studies of connectivity in ASD	$315,268	Q2.Other	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	$191,823	Q2.S.G	University of California, Los Angeles
ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	$252,243	Q2.S.G	University of California, Los Angeles
ACE Center: Auditory perception and perceptual organization in minimally verbal children with ASD	$288,440	Q2.L.B	Boston University
Abnormal network dynamics and "learning" in neural circuits from Fmr1-/- mice	$192,500	Q2.S.D	University of California, Los Angeles
Abnormal connectivity in autism	$30,000	Q2.Other	University of California, Los Angeles
Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	$300,000	Q2.S.D	Columbia University
3 Tesla 31Phosphorus magnetic resonance spectroscopy in disorder with abnormal bioenergetics	$3,250	Q2.Other	Massachusetts General Hospital
20-year outcome of autism	$149,964	Q2.L.A	University of Utah